Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/02/2019 11:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124559	-1	2.06	124669	2.02
Blue	F	SSC	125000	124869	-1	1.46	125719	1.45
Blue	E	FITC	16122	15615	-4	2.80	341	20.34
Blue	D	PE	29316	28929	-2	1.99	631	14.54
Blue	B	PerCP-Cy5-5	42590	42096	-2	3.75	1136	20.11
Blue	A	PE-Cy7	33146	33181	0	6.18	634	39.89
Red	C	APC	45473	45345	-1	2.54	1607	11.92
Red	A	APC-Cy7	31961	30825	-4	2.56	814	11.87
Violet	B	V450	7914	7579	-5	4.38	422	13.51
Violet	A	V500	29769	28654	-4	4.17	665	10.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21212	3.79	607	7	N/A	N/A	Pass
Blue	F	SSC	56644	1.14	552	14	N/A	N/A	Pass
Blue	E	FITC	63	63.54	539	2	0.0192	133	Pass
Blue	D	PE	133	48.86	542	5	0.1681	276	Pass
Blue	B	PerCP-Cy5-5	205	50.15	643	5	0.0093	71	Pass
Blue	A	PE-Cy7	120	98.22	697	6	0.0115	19	Pass
Red	C	APC	381	25.32	586	7	0.0259	210	Pass
Red	A	APC-Cy7	180	29.26	561	5	0.0059	1416	Pass
Violet	B	V450	65	61.58	464	4	0.0514	2324	Pass
Violet	A	V500	100	32.95	476	4	0.0221	632	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.51	-31.82	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.19	13.60 - 20.40	N/A	N/A	29.11	29.92	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9519

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments